

VITAMIDE® AD36BK6052

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AD36BK6052 is a Polyamide 66 (Nylon 66) product filled with 30% graphite fiber. It is available in Europe.

Characteristics include:

Flame Rated

Heat Stabilizer

General Information			
Filler / Reinforcement	Graphite Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow	0.30	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.80	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	125	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	8.0	%	ASTM D638, ISO 527-2
Flexural Modulus	8200	MPa	ASTM D790, ISO 178
Flexural Stress			
--	188	MPa	ISO 178
Break	188	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength ¹	> 40.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	> 40	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	252	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	252	°C	ASTM D648, ISO 75-2/A
Melting Temperature	260	°C	ASTM D2117, ISO 1218
CLTE - Flow	2.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+14	ohms · cm	ASTM D257, IEC 60093
Dielectric Strength	24	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	> 600	V	IEC 60112
-- ²	> 600	V	ASTM D3638

Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Oxygen Index	23	%	ASTM D2863, ISO 4589-2
NOTE			
1.	Method A		
2.	Solution A		

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